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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Stephen J. Benkovic et al.

Serial No.: 10/817,560

Filed: April 2, 2004

Title: METHODS FOR NUCLEIC
ACID MANIPULATION

Group Art: 1645

Examiner: Not Yet Determined

Docket No.: 7418/91839

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below.

Patricia Poloway
PATRICIA POLOWAY

July 30, 2004
(Date)

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Attached Form PTO-1449 lists documents which may be considered to be material to the above-identified application by the Patent Examiner. Copies of the non-patent literature documents identified in the attached form are enclosed. Entry into the record is respectfully requested.

The Commissioner is hereby also authorized to charge any additional fees which may be required pursuant to 37 CFR 1.97(c)(2) and 37 CFR 1.17(p) in connection with filing this Statement as well as any other fees due under 37 CFR §§1.16-1.17, or credit any overpayment, to Deposit Account No. 23-0920. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise

improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 23-0920. A duplicate copy of this sheet is enclosed.

Respectfully submitted

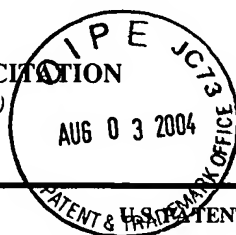
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July 30, 2004

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



Docket Number (Optional)

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Applicant(s)

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Group Art Unit

1645

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,945,339	8/31/99	Holloman, et al.	435	477	
		5,223,414	6/29/93	Zarling et al.	435/91.2		
		6,699,693	3/2/04	Marians et al.	435/91.2		
		5,668,004	9/16/97	O'Donnell, Michael E.	435/91.2		
		5,945,312	8/31/99	Goodman et al.	435/91.2		

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

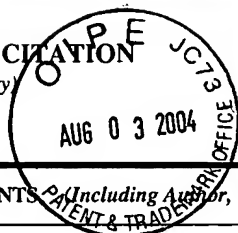
		Cheng, et al. "Effective Amplification of Long Targets from Cloned Inserts and Human Genomic DNA," Proc. Natl. Acad. Sci. 91, 5695-5699 (1994)
		Tindall, K.R., and Kunkel, T.A. "Fidelity of DNA Synthesis by the Thermus Aquaticus DNA Polymerase," Biochemistry 27, pp. 6008-6013 (1988)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
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Applicant(s) Benkovic, et al.	
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*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	Keohavong, P., and Thilly, W.G., "Fidelity of DNA Polymerases in DNA Amplification," Proc. Natl. Acad. Sci. USA 86(23), pp. 9253-9257 (1989)
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	Cariello, N.F., Swenberg, J.A. and Skopek, T.R., "Fidelity of Thermococcus Litoralis, DNA Polymerase (Vent) in PCR Determined by Denaturing Gradient Gel Electrophoresis," Nucleic Acids Res. 19(15), pp. 4193-4198 (1991)
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	Morrical, S., et al, "Amplification of Snap-back DNA Synthesis Reactions by the uvsX Recombinase of Bacteriophage T4," Journal of Biological Chemistry, 266(21) 14031-14038 (1991)
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	"Summary Table," Trends in Biochemical Sciences," vol. 25, p. 206 (April 2000).

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